## Research Articles

### 1

**LAKE: Using Log Files Recorded during Program Execution**  
Shaochun Xu, Department of Computer Science, Algoma University, Saul Ste. Marie, ON, Canada  
Dapeng Liu, Gradient X, Santa Monica, CA, USA

### 13

**Generation of Concurrency Control Program by Extending Functions in Genetic Programming**  
Teruhisa Hochin, Kyoto Institute of Technology, Kyoto, Japan  
Tatsuya Saigo, Kyoto Institute of Technology, Kyoto, Japan  
Shinji Tamura, Kyoto Institute of Technology, Kyoto, Japan  
Hiroki Nomiya, Kyoto Institute of Technology, Kyoto, Japan

### 28

**New Approach to Speedup Dynamic Program Parallelization Analysis**  
Sudhakar Sah, Symbiosis Institute of Research and Innovation, Lavale, Pune, India & Samsung SDS, Seoul, South Korea  
Vinay G. Vaidya, KPIT Technologies, Hinjawadi, Pune, India

### 48

**Analysis Method Based on Impression Words for Impression Evaluation Method by Space**  
Shunsuke Akai, Kyoto Institute of Technology, Kyoto, Japan  
Teruhisa Hochin, Kyoto Institute of Technology, Kyoto, Japan  
Hiroki Nomiya, Kyoto Institute of Technology, Kyoto, Japan

### 60

**Increasing the Accuracy of Software Fault Prediction using Majority Ranking Fuzzy Clustering**  
Golnoush Abaei, University Technology Malaysia, Johor, Malaysia  
Ali Selamat, UTM-IRDA Digital Media Centre, K-Economy Research Alliance UTM & University Technology Malaysia, Johor, Malaysia

### 72

**On Temporal Summation in Chaotic Neural Network with Incremental Learning**  
Toshinori Deguchi, Gifu National College of Technology, Gifu, Japan  
Toshiki Takahashi, Gifu National College of Technology, Gifu, Japan  
Naohiro Ishii, Aichi Institute of Technology, Toyota, Japan

---

**Copyright**  
The *International Journal of Software Innovation (IJSI)* (ISSN 2166-7160; eISSN 2166-7179), Copyright © 2014 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

---

The *International Journal of Software Innovation* is indexed or listed in the following: Cabell’s Directories; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich’s Periodicals Directory.